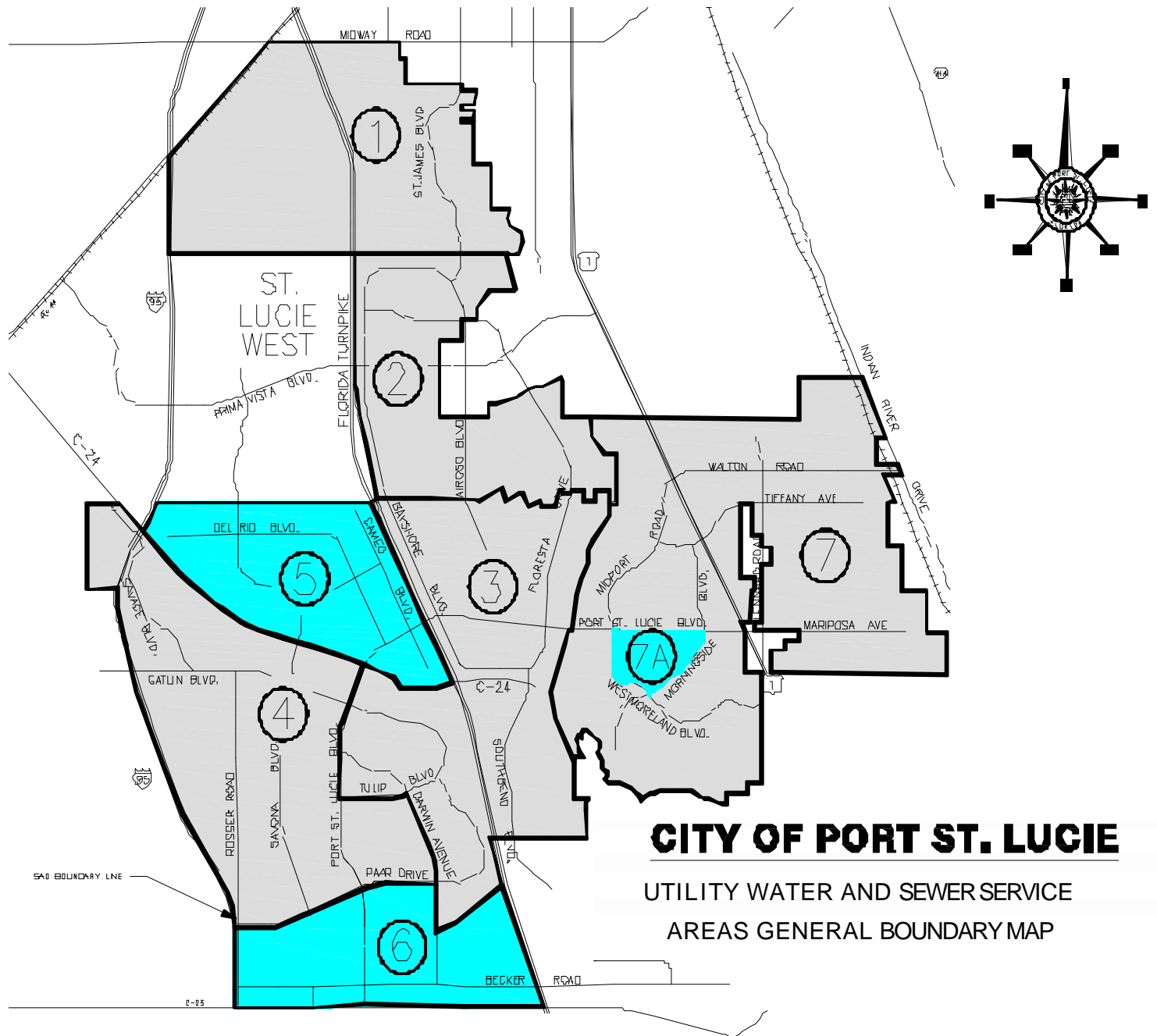


City of Port St. Lucie Utility System Department



History

- 1960's General Development Utilities
- 1990 St. Lucie County Utilities
- 1994 Port St. Lucie Utility Systems



CITY OF PORT ST. LUCIE

UTILITY WATER AND SEWER SERVICE
AREAS GENERAL BOUNDARY MAP

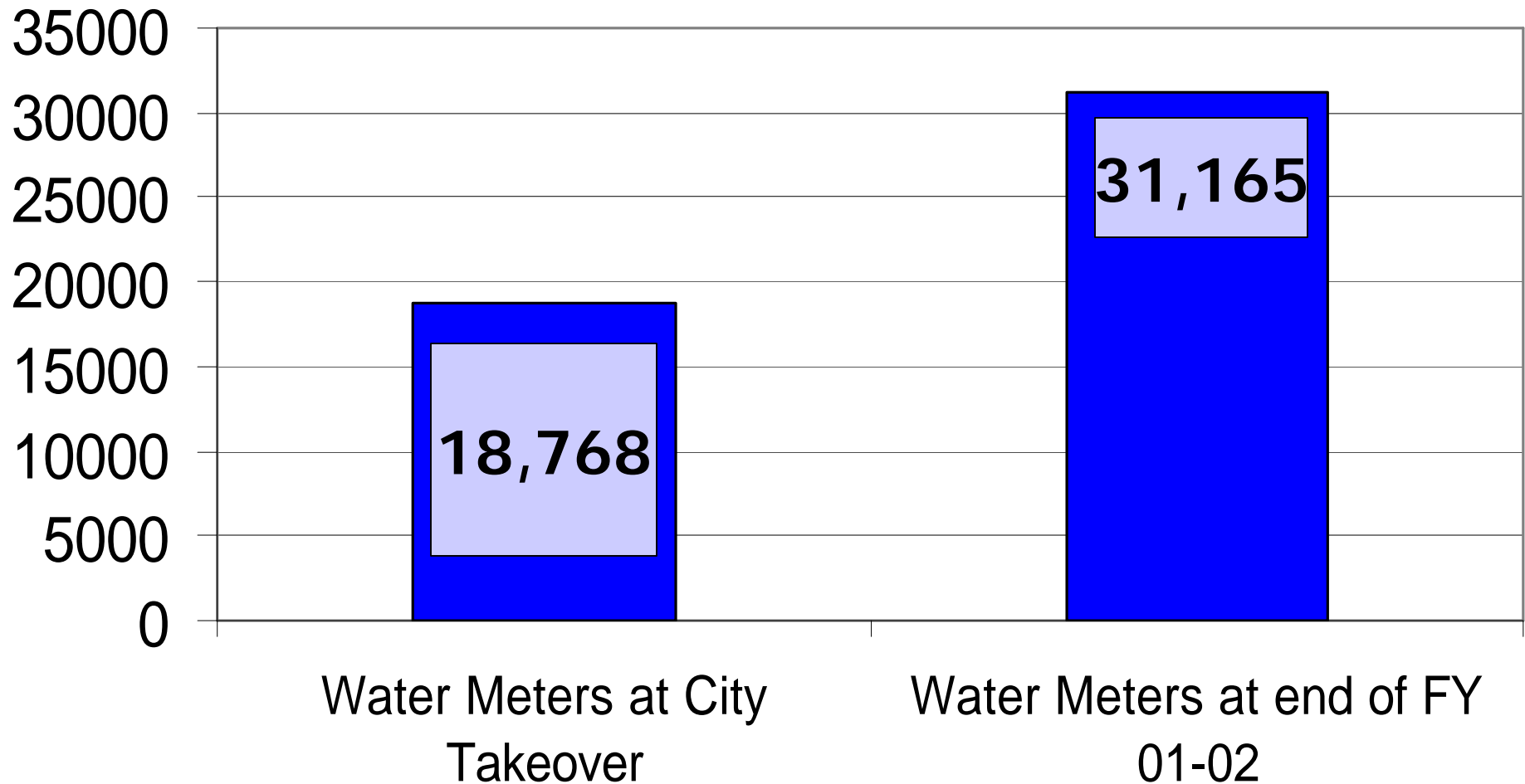
Water Plant Capacity

Lime Softening Plant

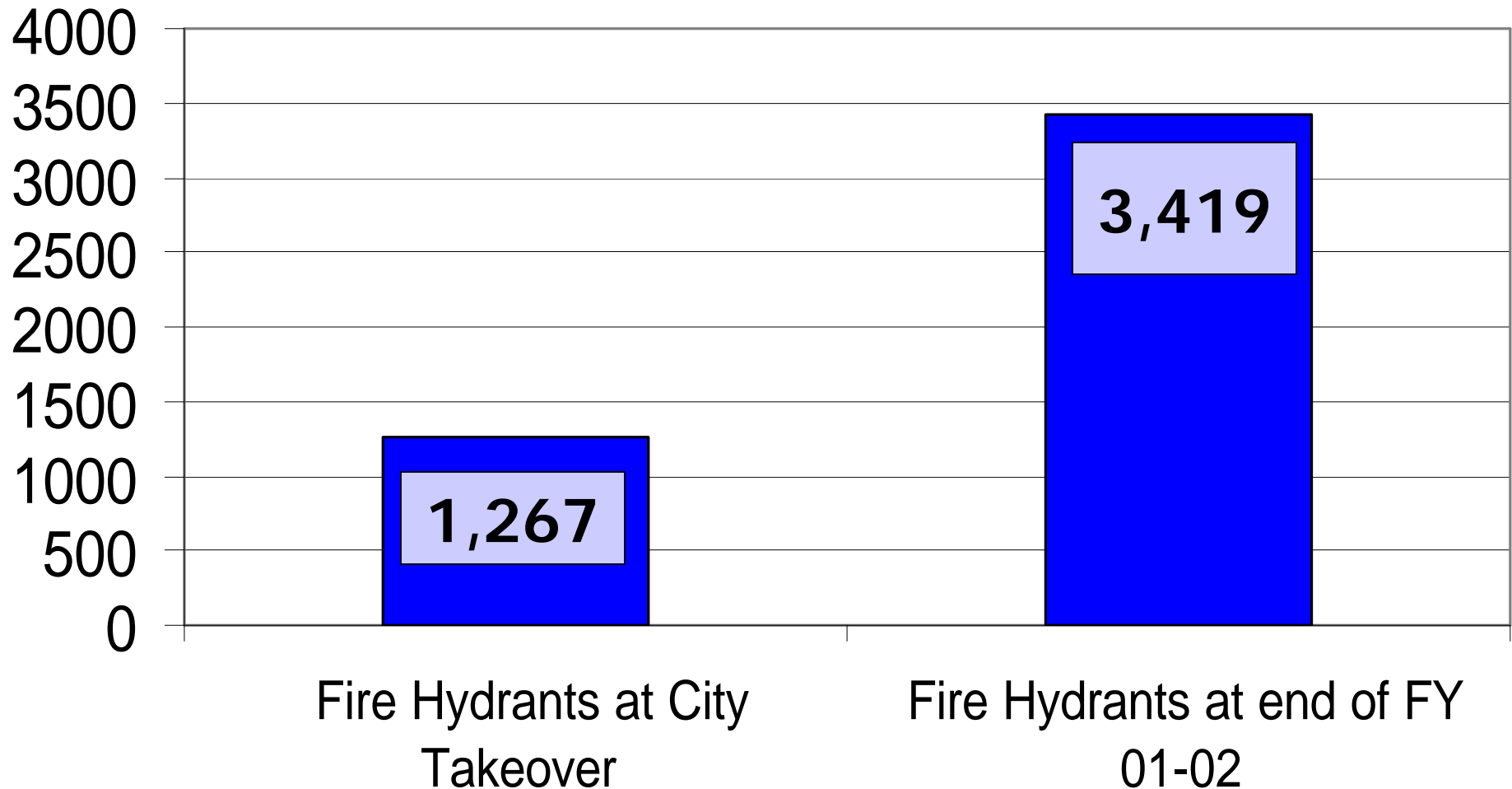
October 1, 1994 = 6.0 MGD

July 1999 = 6.85 MGD

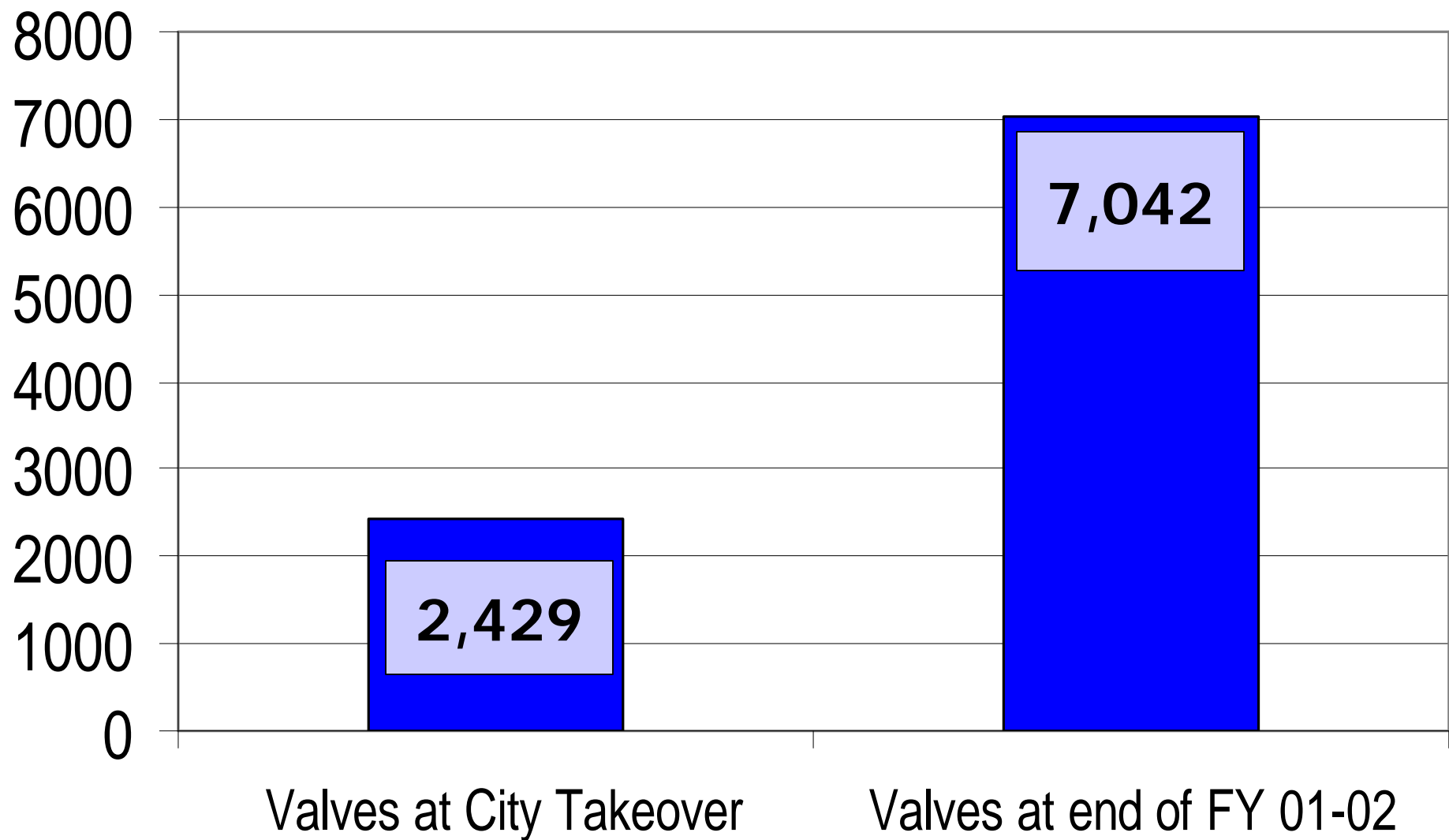
Installed Water Meters



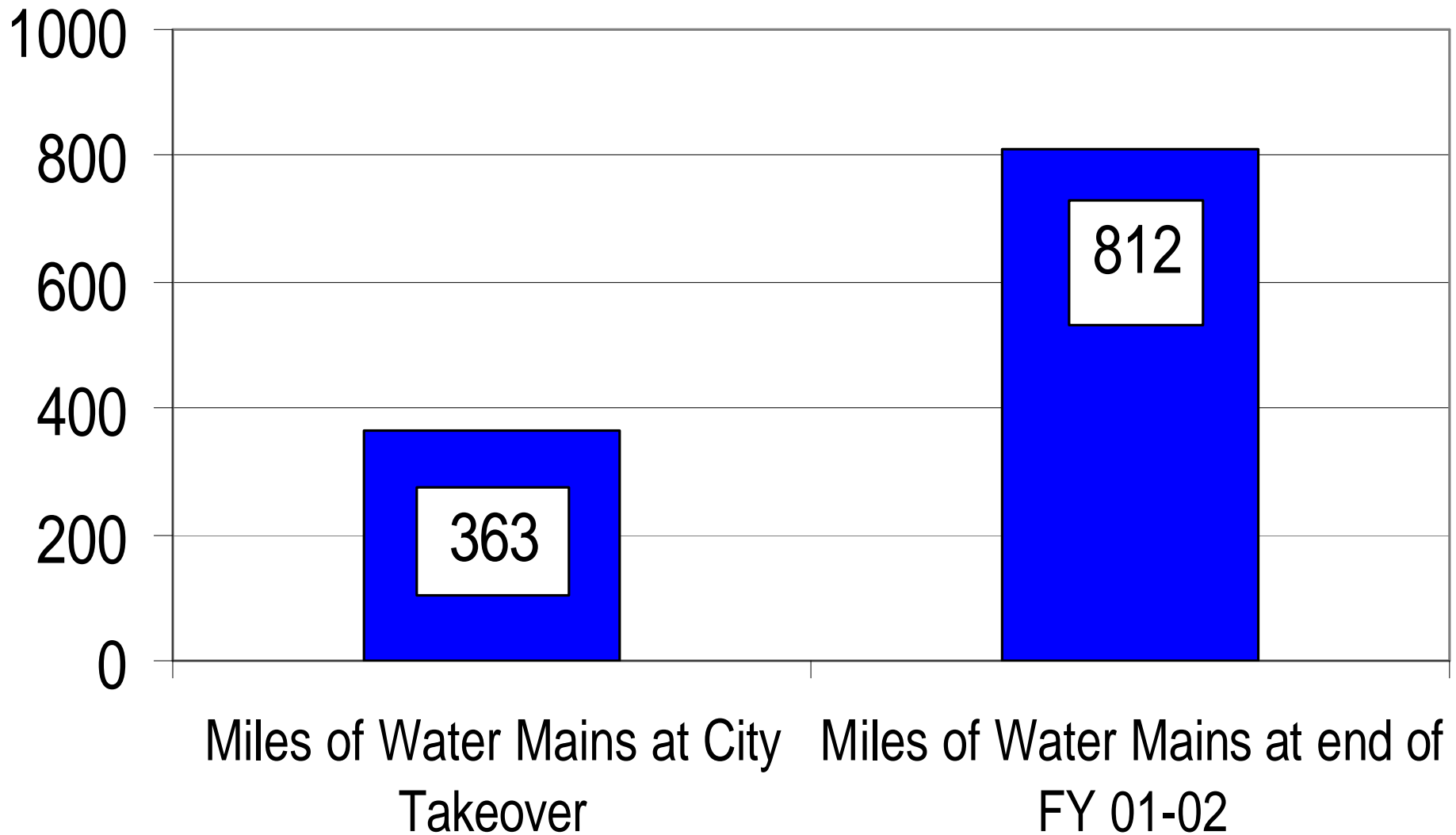
Fire Hydrants



Valves



Miles of Water Mains

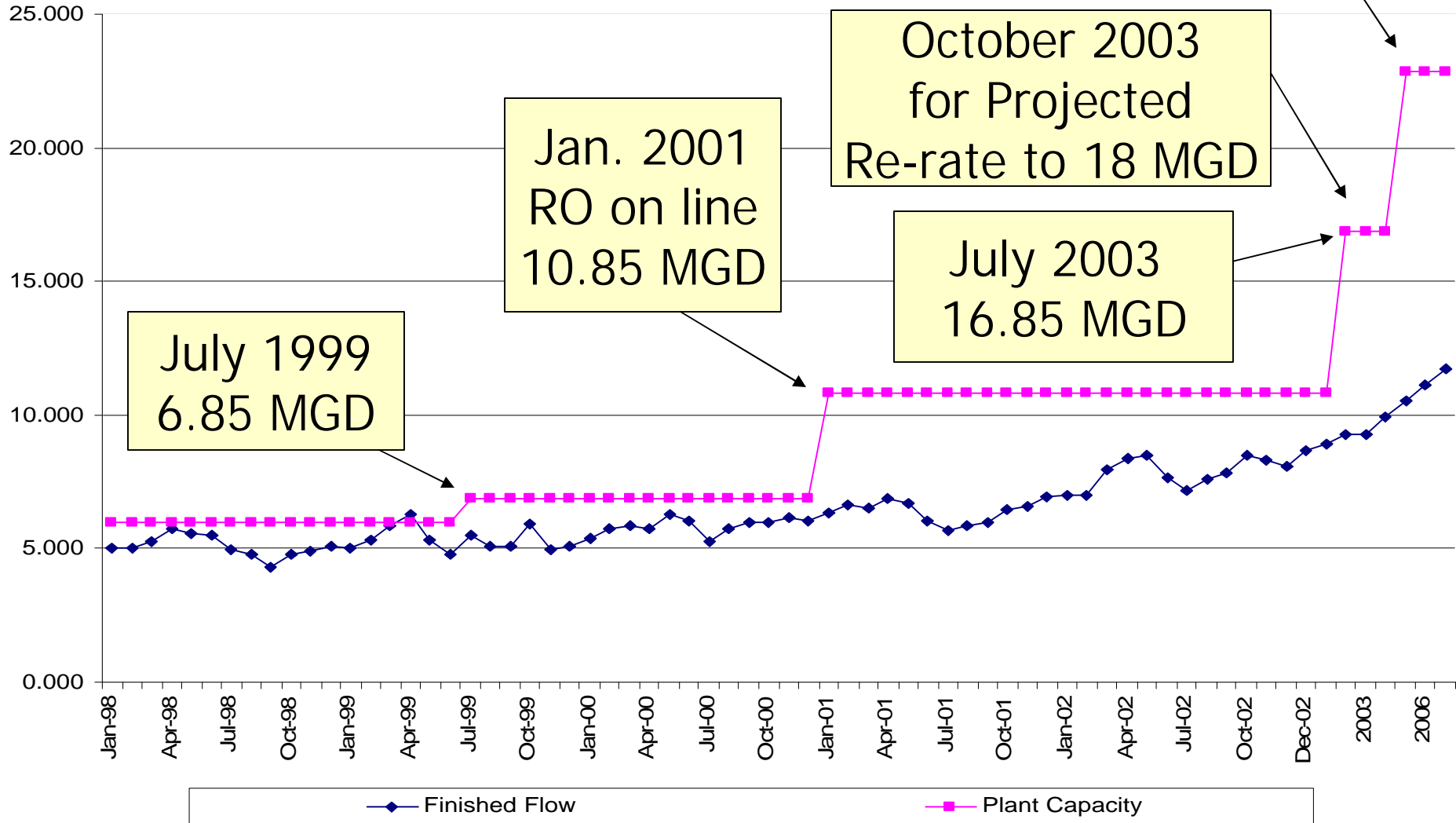


LTC Water Storage Facilities



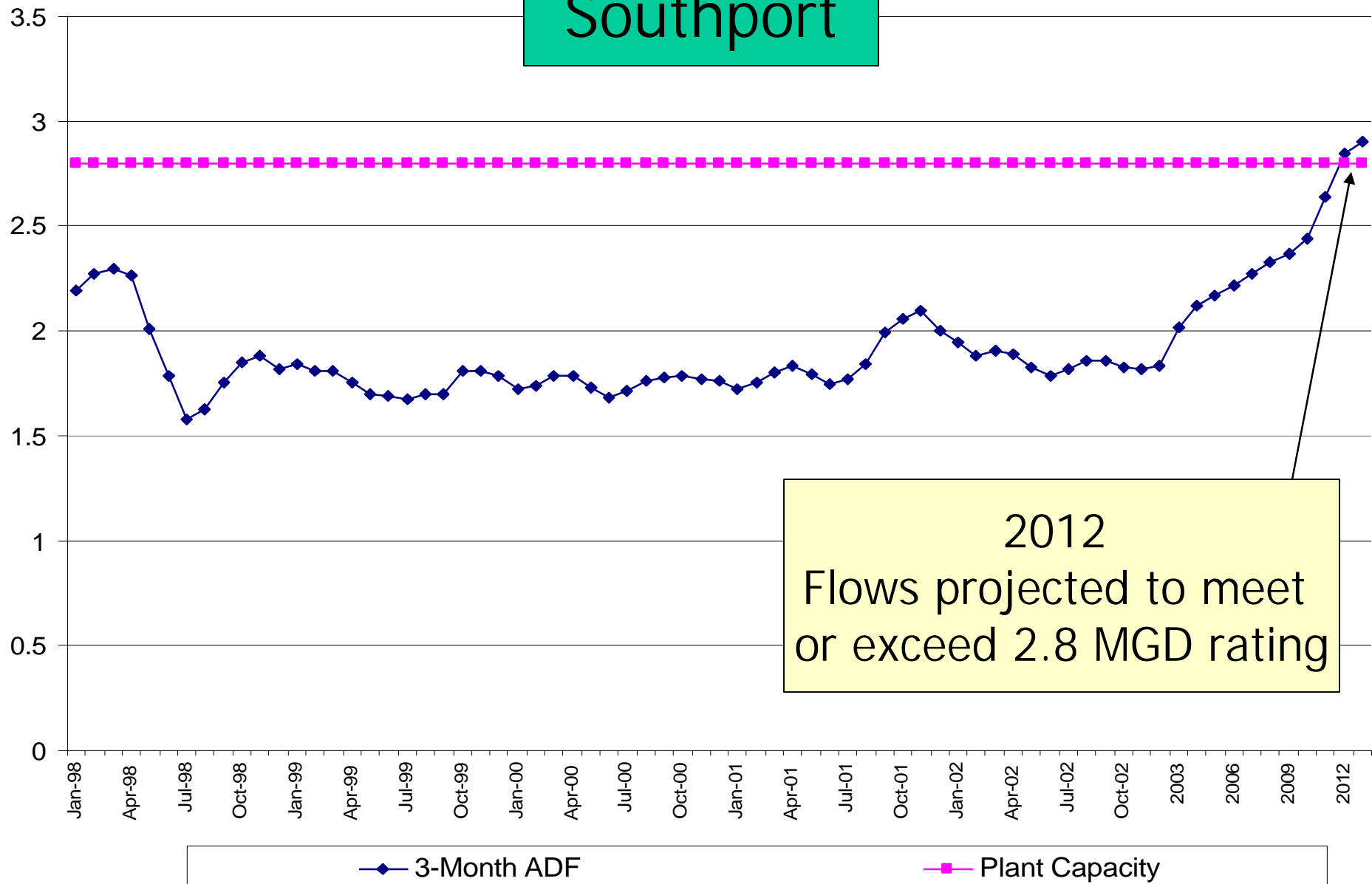
Water Plant Expansions

Feb. 2005
1st Phase of LTC
24.85 MGD

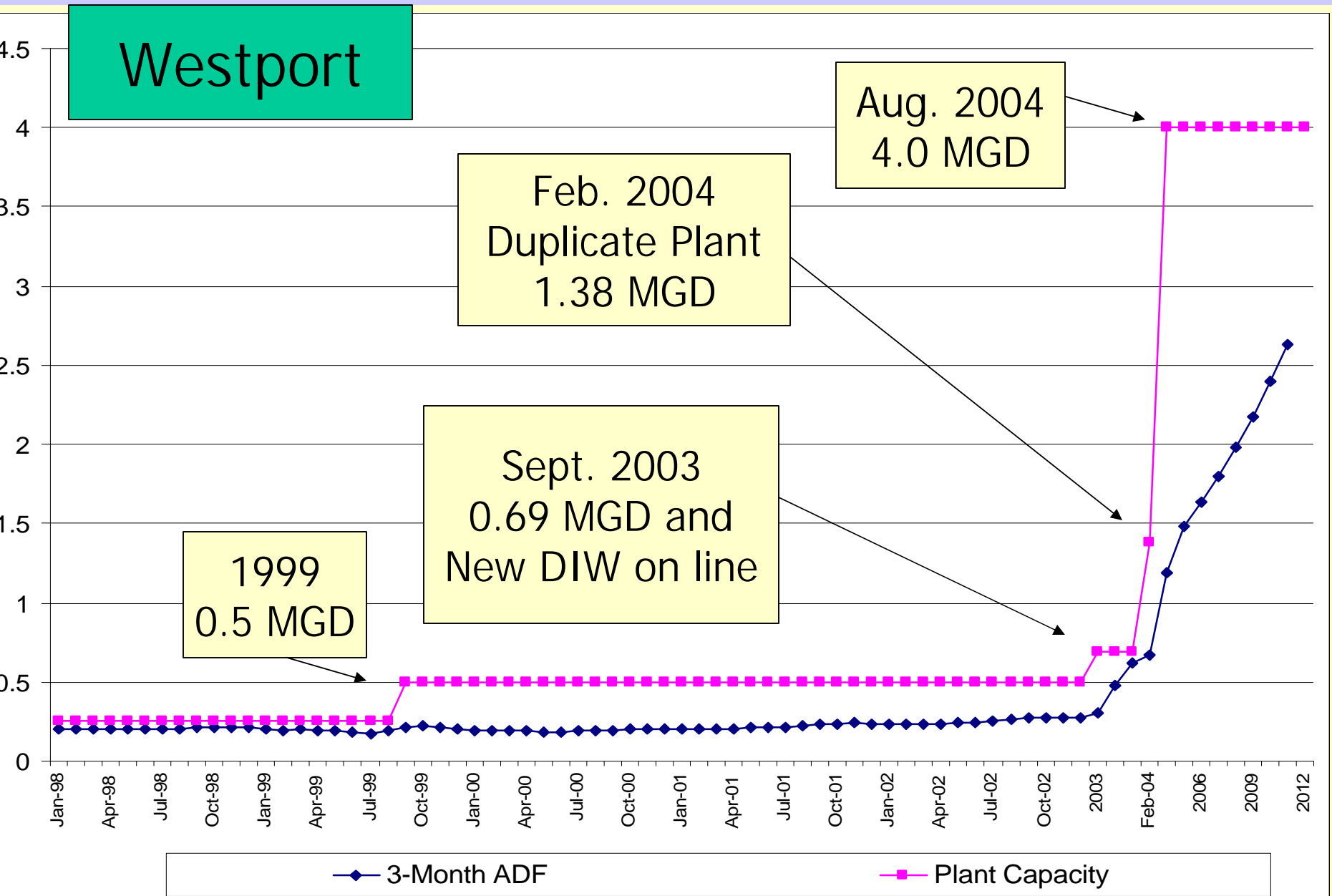


Wastewater Plant Expansions

Southport



Wastewater Plant Expansions



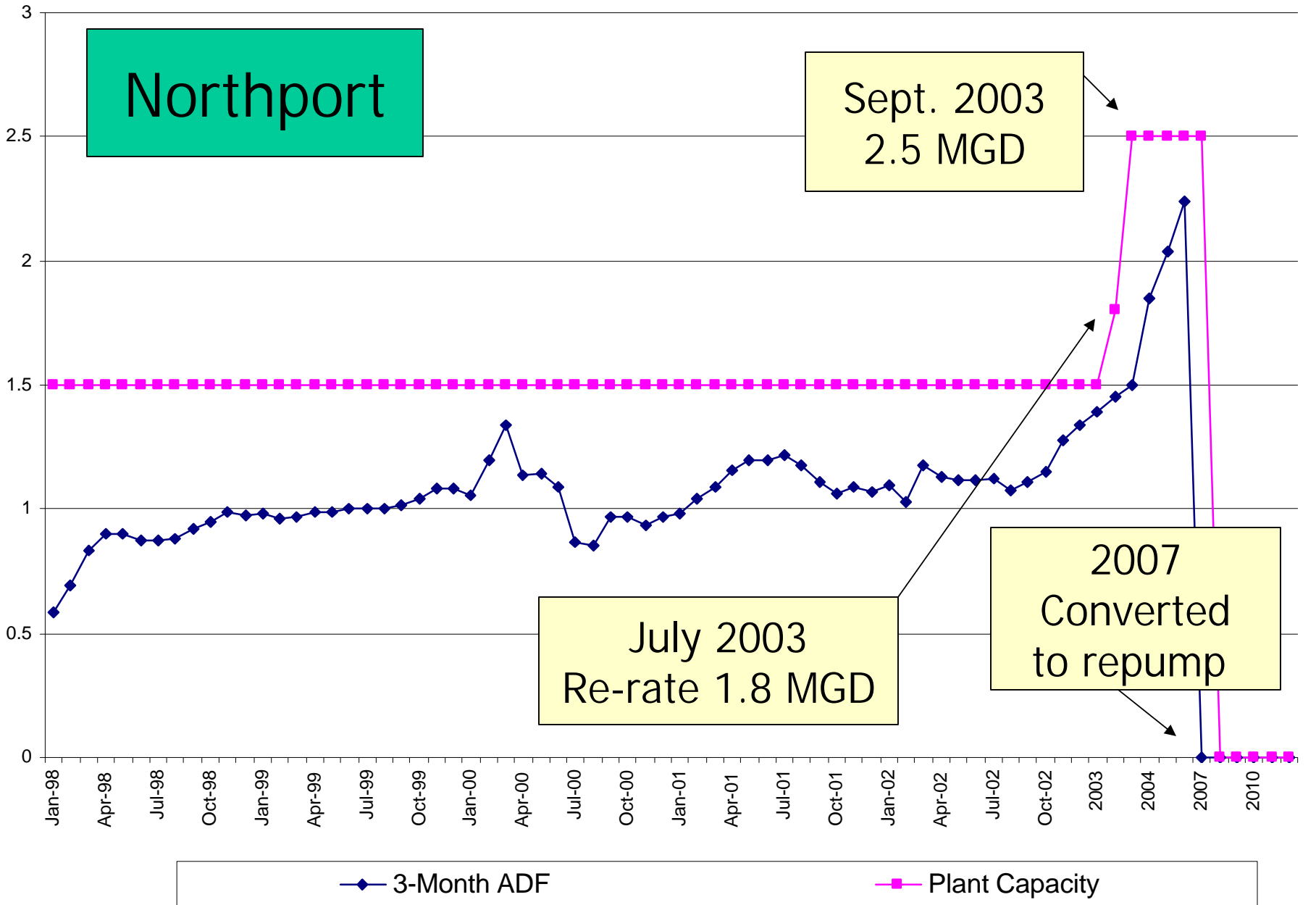
Wastewater Plant Expansions

Northport

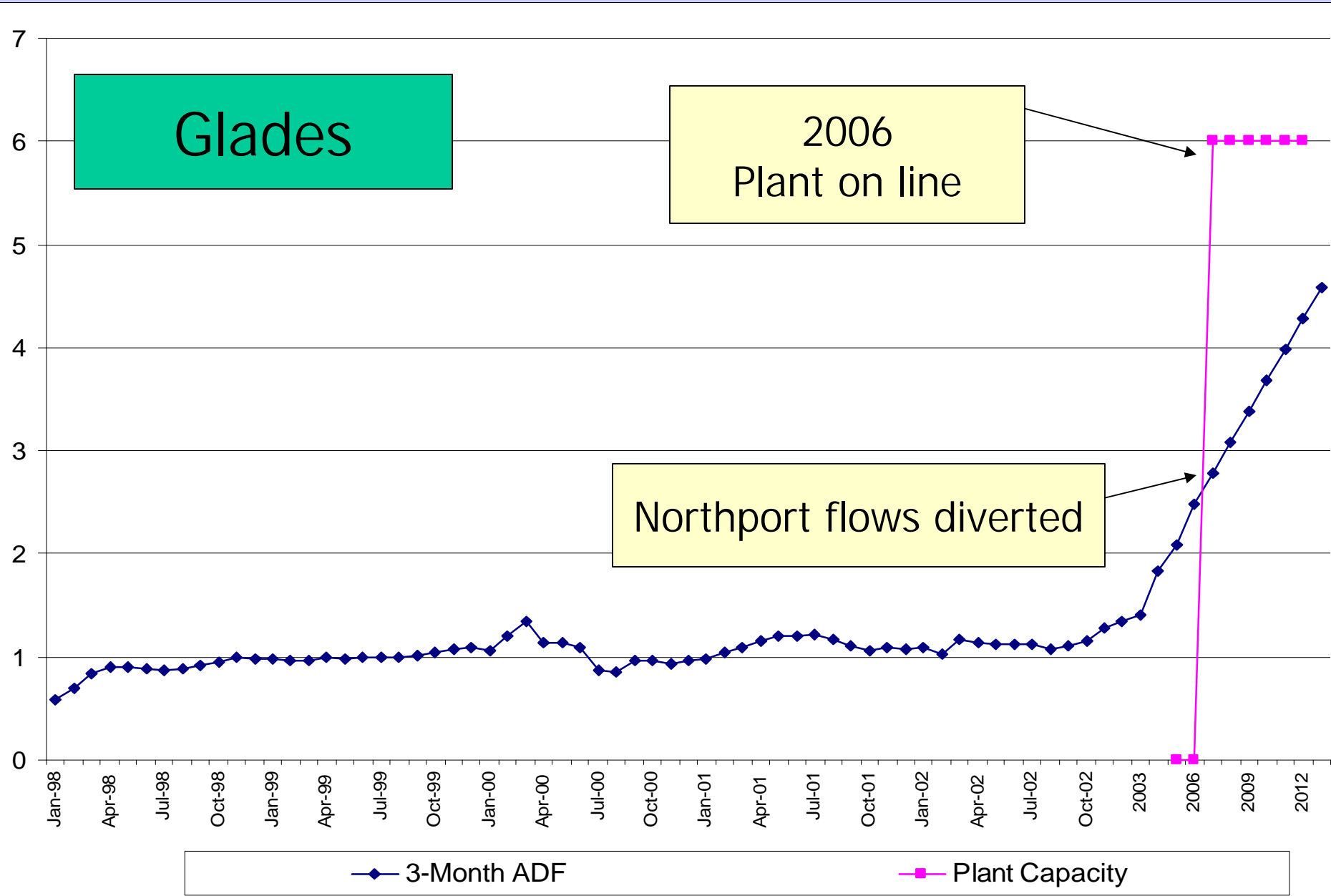
Sept. 2003
2.5 MGD

July 2003
Re-rate 1.8 MGD

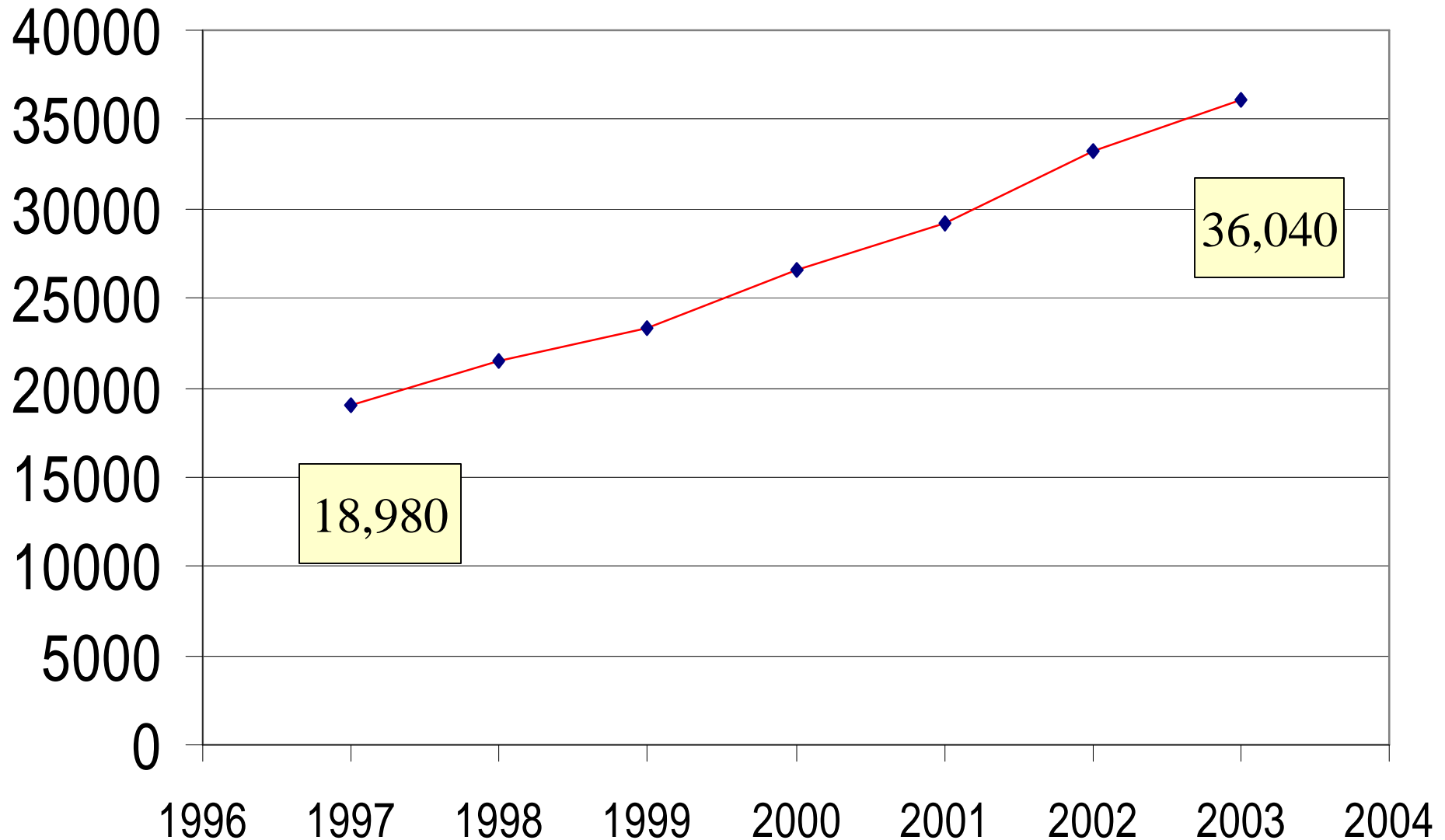
2007
Converted
to repump



Wastewater Plant Expansions



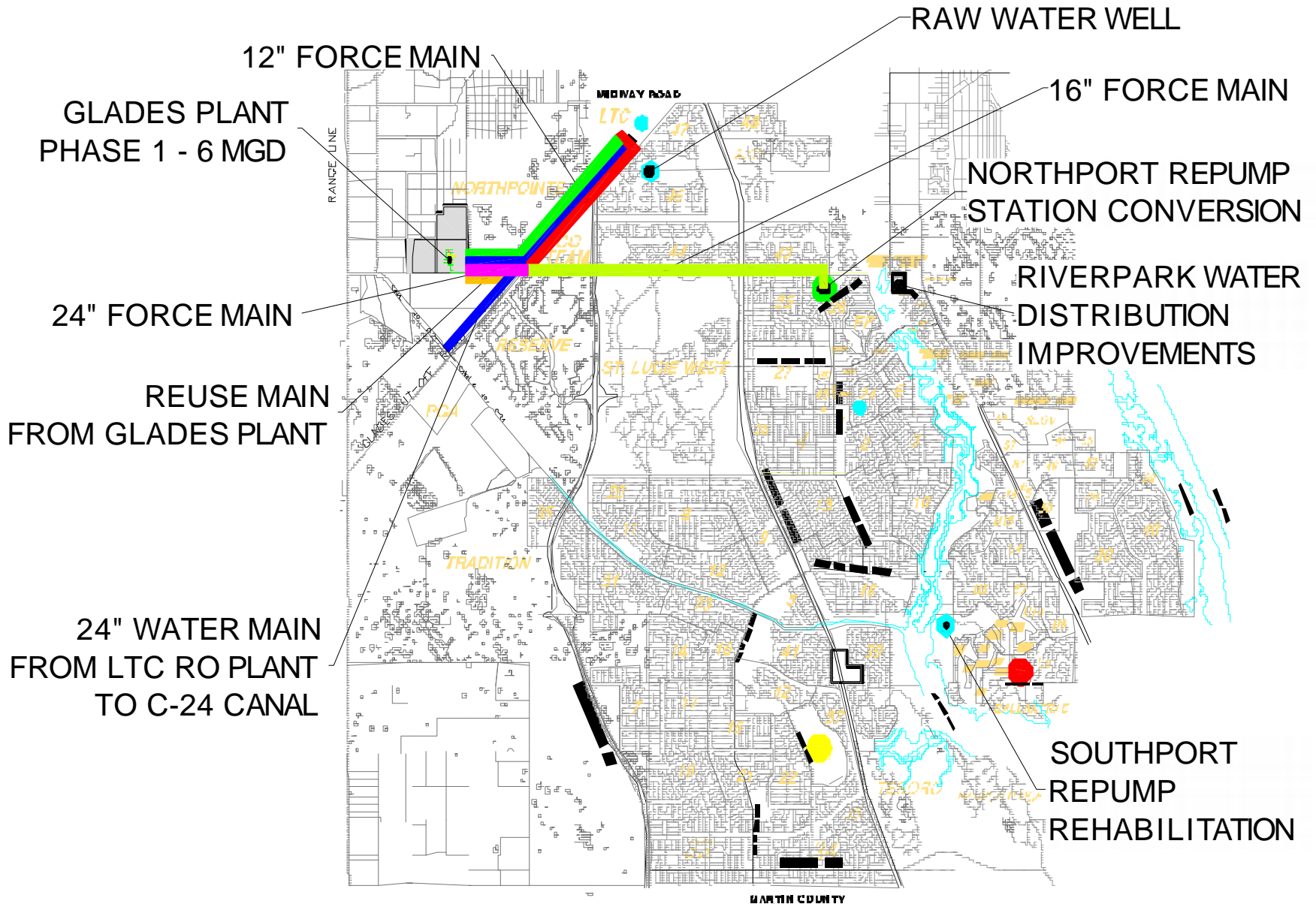
Growth of WaterCustomer Base



Additional Floridan Wells



2003 CIP Projects



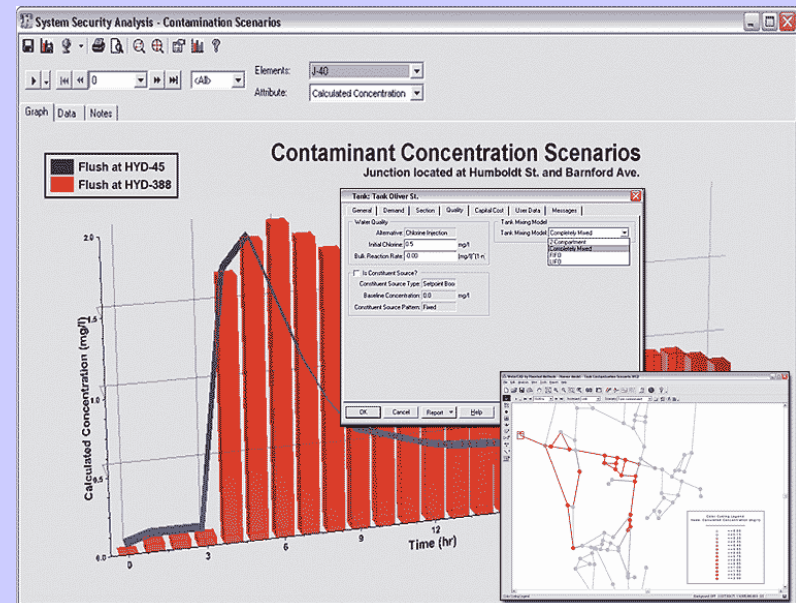
Master Hydraulic Water Model

Benefits:

- System Risk Assessment
- Optimize Remote Tank Filling
- Optimize System Flushing
- Conduct Water Age Analysis
- Planning for Future Improvements

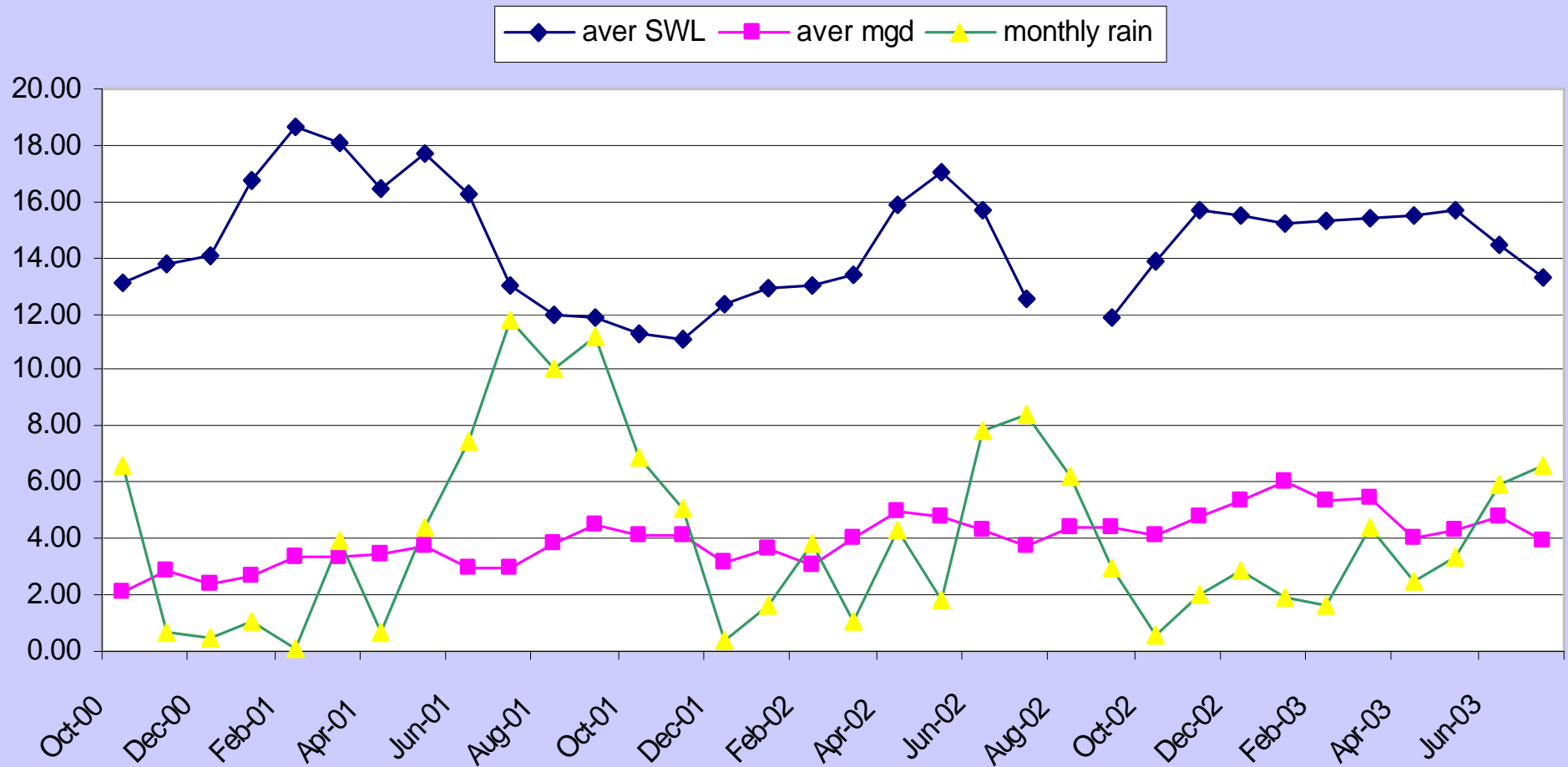
Status:

- Project is 65% Complete
- Substantial Completion:
October 2003

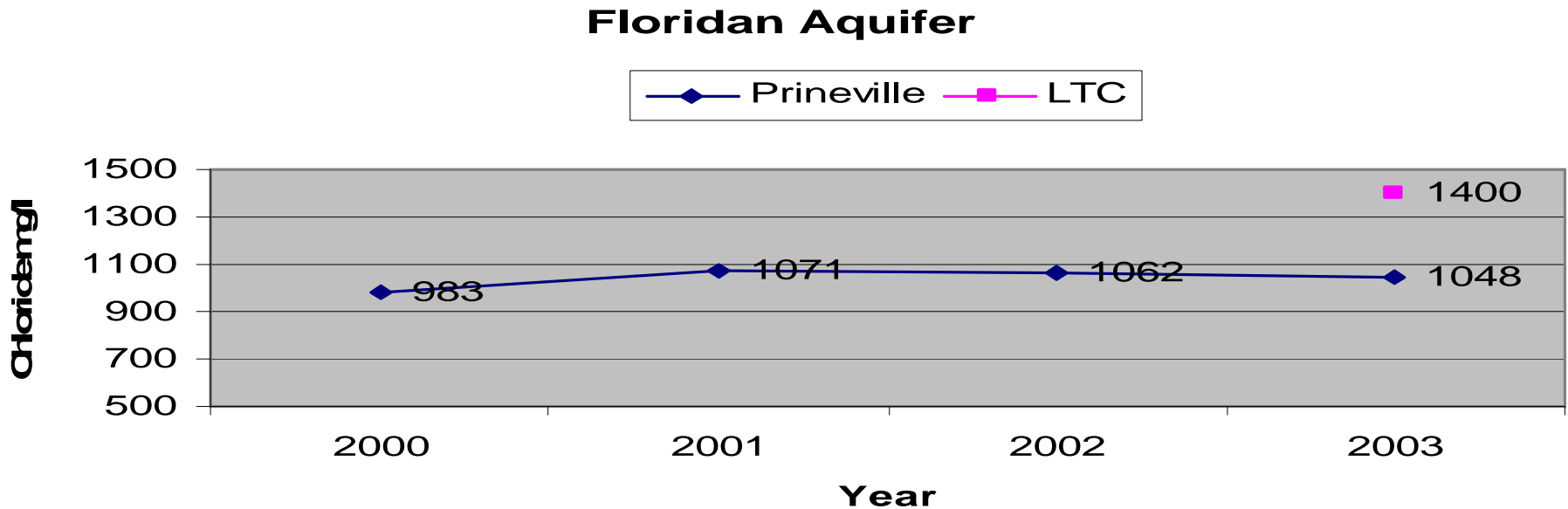
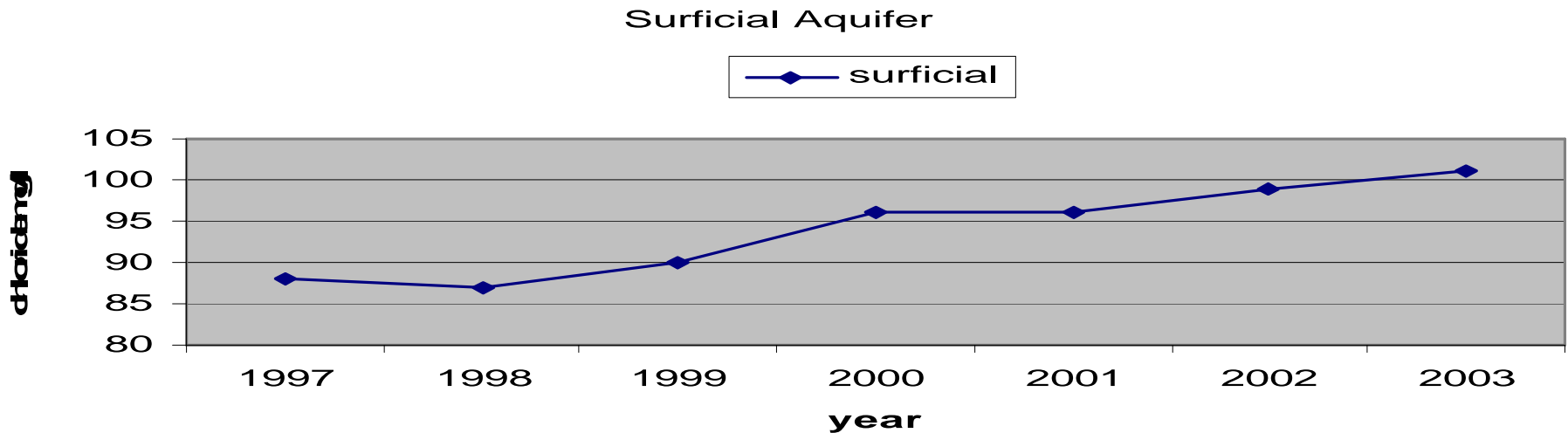


Monitoring Surficial Aquifer

CITY OF PT. ST. LUCIE MONTHLY WELL FIELD AVERAGE STATIC LEVEL WITH AVERAGE MGD
AND MONTHLY RAINFALL



Monitoring Chloride Levels



Public Water Supply Issues

- Model projecting water quality changes in Floridan aquifer
- Abandoning Artesian Wells
- Increased funding for alternative water supplies